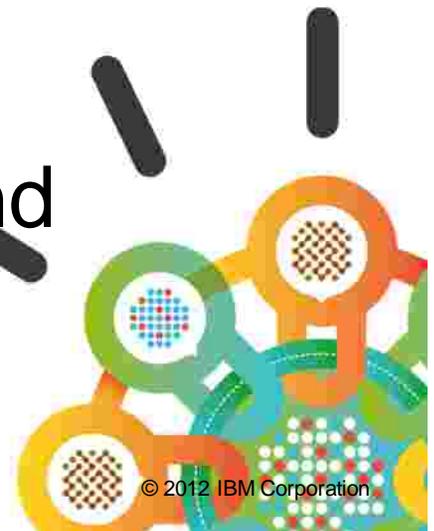


zSecure Suite 2.1 Beta Release Customer Experience

Demonstrating Governance, Risk and
Compliance on your Mainframe



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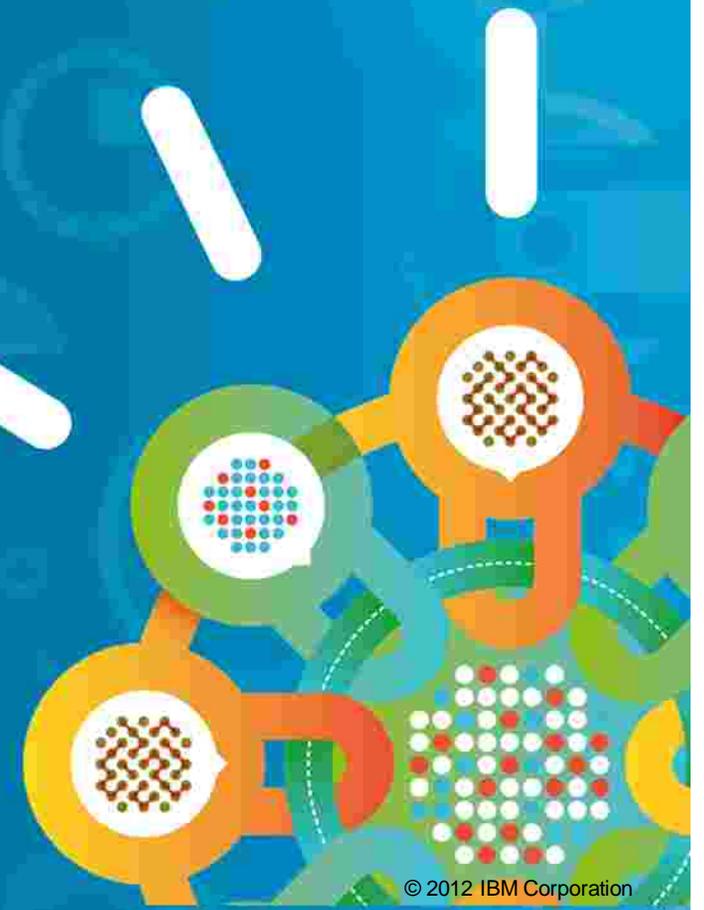
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Session Abstract

§ zSecure 2.1 (Beta) provides new audit and compliance capabilities; establishes integration with QRadar; and exploits new z/OS 2.1 operating system features. The Customer presenter will speak on how the new features enabled improved security and compliance management; event monitoring and reporting; and other benefits to improve automation and further reduce costs.



Agenda

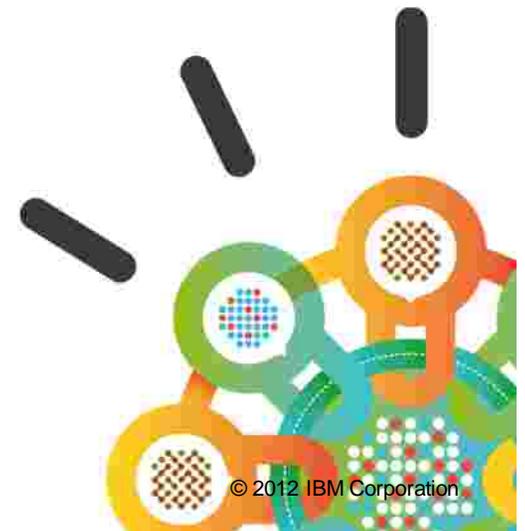
- § Release announcement
- § Beta background
- § Customers
- § Customer Experiences
- § Questions



zSecure suite 2.1

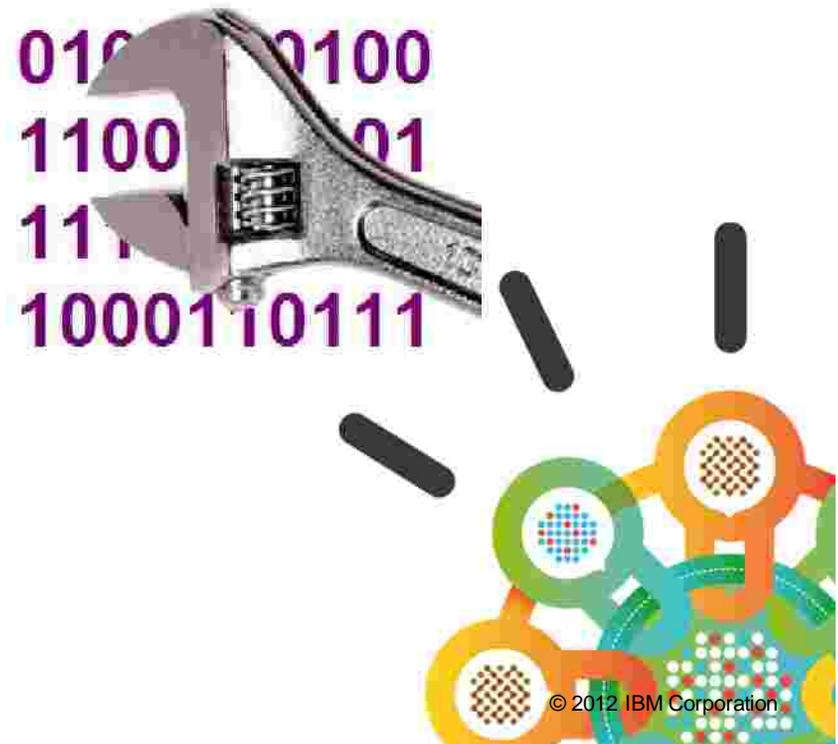
§ Announced July 23 with z/OS and
RACF 2.1

§ GA September , 2013



zSecure What's new in 2.1

- DB2 resource collection/reporting
- Certificate management support
- Access Monitor improvements
- Compliance Testing Framework
- FTP daemon security settings
- TN3270 security settings
- ISPF UI enhancements
- CARLa enhancements
- Other Enhancements
 - zSecure Visual enhancements
 - zSecure Server enhancements



Expanded integration points with DB2 for enhanced compliance



§ Features

- § Collect data from additional DB2 object types, primarily related to access levels
- § Collect data from DB2 Internal Access Control Lists to track effective access
- § Collect data on potential conflicts between DB2 Internal Access Control Lists and RACF

§ Benefits

- § More effective audit of database access improves integrity of DB2 databases
- § Reduces requirements for manual audits of DB2 access therefore reduction in personnel resource requirements



RACF Digital Certificate Management

ISSUES:



- Difficult to find what to do where
 - Solution: Totally redesigned user interface for certificates
New menus and new line commands
- Error prone, difficult to remember all certificate parameters
 - Solution: introduce certificate templates
- Difficult to remember TKDS token names to use on BIND
 - Solution: display selection list of token names
 - TKDS information is obtained via CKFREEZE
- Difficult to find or sort on Distinguished Name parts
 - Solution: Added function to extract Distinguished Name parts



Enhanced support for administration of RACF digital certificates

§ RACF Digital Certificates

§ Digital Certificates are used for enhance authentication, verification, and encryption

§ RACF supports digital certificates for use with z/OS

§ Features

§ New facility to create, administer, customize and audit RACF digital certificates

§ New Facility to create certificate templates to pre-fill parameters according to business purposes

§ User-id tracking and monitoring of digital certificate usage

§ Benefits

§ Greatly eases administration for customers already using digital certificates

§ Encourages adoption of digital certificates for customers who are not yet exploiting them



Extended Access Monitor access usage



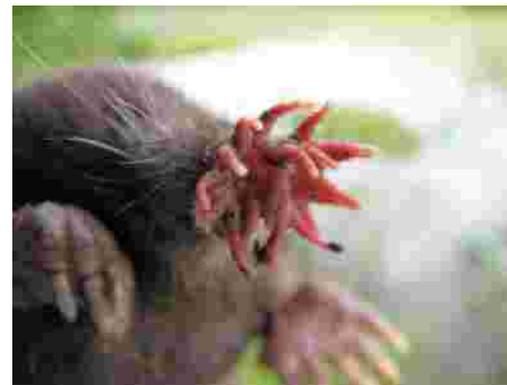
§ Features

- § Various performance improvements
- § Richer data collection
- § Enhanced RACINIT support
- § Support for digital certificates
- § Ability to identify and remove unused logon ids

§ Benefits

- § Improves integrity of RACF databases thus improving integrity of z/OS
- § Improved performance means greater adoption of Access Monitor which improves z/OS integrity

Condylura
Cristata
(Star Nosed
Mole)



22,000 sensory
Organs on 22
appendages

Problems with compliance testing in the past

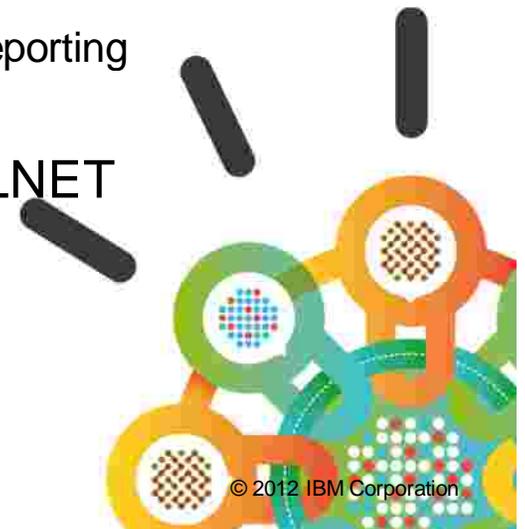


- § Built-in standards (C1 / C2 / B1) are considered to be **inflexible**
 - Need to adapt more quickly to external standard updates
 - Audit concern principle **misses** the **positive confirmation** that it is OK
 - Audit concerns not customizable (**exceptions / mitigating controls**)
- § Customers create ad-hoc reporting, partly 2-pass queries
 - Need something less ad-hoc and easier to customize
 - Need something that works almost **out of the box**
 - Need to **combine information** from many report types
 - Need to **customize** / define who is considered authorized
- § Scope of external standards is increasing
 - Need to collect **more settings** from **more subsystems**.



Compliance Testing Framework

- Support **newer** external standards
 - DISA STIG for z/OS RACF
 - DISA STIG for z/OS ACF2
 - IBM outsourcing GSD331/iSec
- Eliminate need for **2-pass queries**
- Show **positive compliance**, not just non-compliance
- Allow **showing progress** in compliance efforts
- Support in-standard **customization**
 - Members with **authorized IDs** (using STIG naming)
 - Allow **rule override** (suppression) with reason – visible in reporting
 - Allow creation and seamless integration of **site standards**
- **Extend data collection** CICS, IMS, DB2, IP, FTP, TELNET



Enhanced compliance reporting of FTP and TN3270



§ What is FTP and TN3270

§ z/OS FTP provides for file transfers between z/OS and other systems

§ TN3270 (Telnet 3270) emulates the text based interactions of legacy IBM terminals that were utilized pre-PC

§ Features

§ New API in Communication Server exploited by zSecure to capture communication settings

§ Extended SMF logging by Communications Server exploited by zSecure to audit FTP and TN3270 streams

§ Reporting FTP Daemon configuration changes - SMF

§ Benefits

§ Extends benefits of zSecure Audit to these legacy applications

§ Address compliance requirements of PCI-DSS and STIG for FTP and TN3270 based applications



QRadar provides security visibility and Security Intelligence

IBM X-Force® Threat Information Center

Real-time Security Overview w/ IP Reputation Correlation

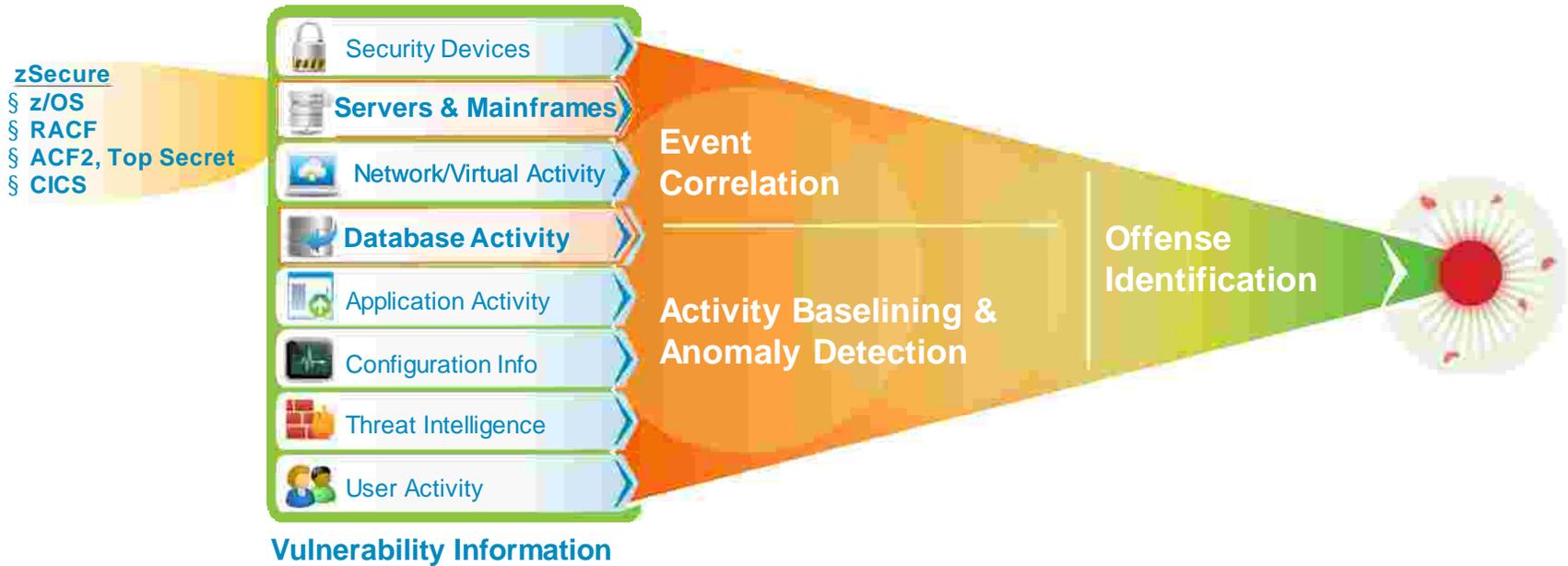


Identity and User Context

Real-time Network Visualization and Application Statistics

Inbound Security Events

zSecure and QRadar improve your Security Intelligence



Extensive Data Sources + Deep Intelligence = Exceptionally Accurate and Actionable Insight

- ü Centralized view of mainframe and distributed network security incidents, activities and trends
- ü Better real-time threat identification and prioritization correlating vulnerabilities with zSecure
- ü SMF data set feeds with zSecure Audit and Alert
- ü Produces increase accuracy of risk levels and offense scores, and simplified compliance reporting





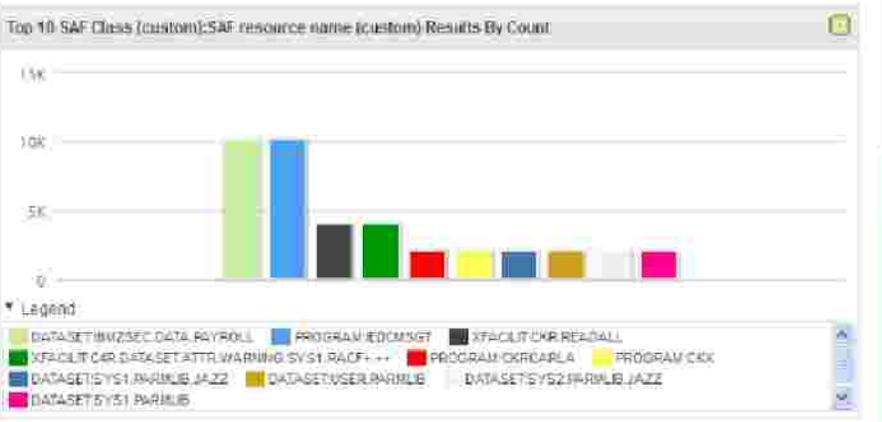
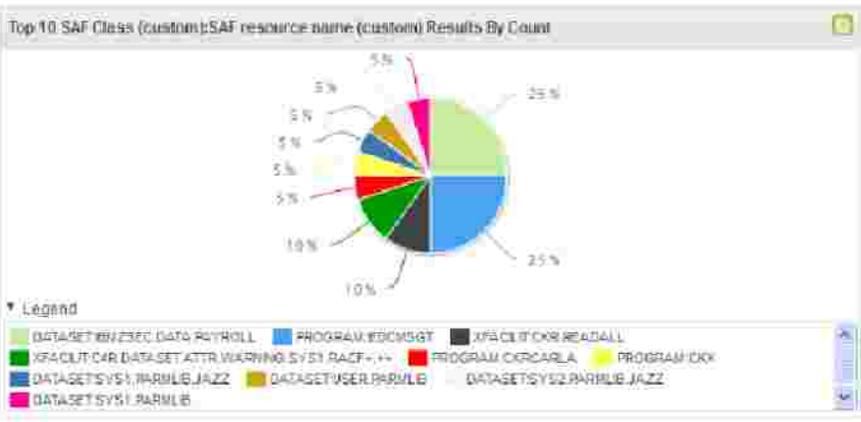
RACF – Access Violations by Resource

IBM Security QRadar SIEM admin | Preferences | Help | Logout

Dashboard **Offenses** Log Activity Network Activity Assets Reports Admin System Time: 15:04

Search | Quick Searches | Add Filter | Save Criteria | Save Results | Cancel | Filter Profiles | Rules | Action | Quick Filter

100% Results | 40 Jobs | 2,142 (21.5 GB Total) | Compressed Data Files searched: 2,152 (1.4 GB Total) | Duration: 1m 10s 204ms | Index File Count: 32,505 (1.3 GB Total)



[Hide Charts](#)

SAF Class (custom)	SAF resource name (custom)	Username (Unique Count)	Person name (Custom) (Unique Count)	Event Name (Unique Count)	Log Source Time (Minimum)	Log Source (Unique Count)	Event Count (Sum)	Access intent (custom) (Unique Count)	Access allowed (custom) (Unique Count)	Resource sensitivity (Unique Count)	Count
DATASET	IBMZSEC.DATA.P...	U888ABC	DEX DEXTER	RACHECK Insuff...	2012-08-22 15:4...	R IBM RACF 3	10,200	READ	NONE	N/A	10,200
PROGRAM	IEDCMSGT	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	10,200	READ	NONE	APP lib+Lnk	10,200
XFACILIT	CKR READALL	C2EGGRLF	N/A	RACHECK Insuff...	2012-08-21 14:5...	Multiple (2)	4,084	READ	NONE	N/A	4,084
XFACILIT	CKR.DATASET.AT...	U888KYU	FALLON CARRINGTON	RACHECK Insuff...	2012-08-22 10:3...	R IBM RACF 3	4,080	UPDATE	NONE	N/A	4,080
PROGRAM	CKRCARLA	C2EGGRLF	N/A	RACHECK Insuff...	2012-08-21 14:5...	Multiple (2)	2,042	READ	NONE	APP lib+Lnk	2,042
PROGRAM	CKK	C2EGGRLF	N/A	RACHECK Insuff...	2012-08-21 14:5...	Multiple (2)	2,042	READ	NONE	APP lib+Lnk	2,042
DATASET	SYS1.PARMLIB.J...	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	2,040	READ	NONE	MSTR prmlib	2,040
DATASET	USER.PARMLIB	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	2,040	READ	NONE	MSTR prmlib	2,040
DATASET	SYS2.PARMLIB.J...	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	2,040	READ	NONE	MSTR prmlib	2,040
DATASET	SYS1.PARMLIB	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	2,040	READ	NONE	MSTR prmlib	2,040
DATASET	SYS1.PARMLIB.Z...	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	2,040	READ	NONE	MSTR prmlib	2,040
PROGRAM	IEWBDEF	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 16:1...	R IBM RACF 3	1,020	READ	NONE	APP lib+Lnk	1,020
PROGRAM	CEEMENU3	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	1,020	READ	NONE	APP lib+Lnk	1,020
XFACILIT	CARTRACFAUDIT...	U888KYU	FALLON CARRINGTON	RACHECK Insuff...	2012-08-22 16:1...	R IBM RACF 3	1,020	UPDATE	NONE	N/A	1,020
DATASET	U888KYU.C2R2F	U888ABC	DEX DEXTER	RACHECK Insuff...	2012-08-22 16:4...	R IBM RACF 3	1,020	READ	NONE	N/A	1,020
PROGRAM	FTPDNS	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	1,020	READ	NONE	APP lib+Lnk	1,020
PROGRAM	CEEBNS	GRADFTP	GRADAR FTP USERID	RACHECK Insuff...	2012-08-21 18:1...	R IBM RACF 3	1,020	READ	NONE	APP lib+Lnk	1,020

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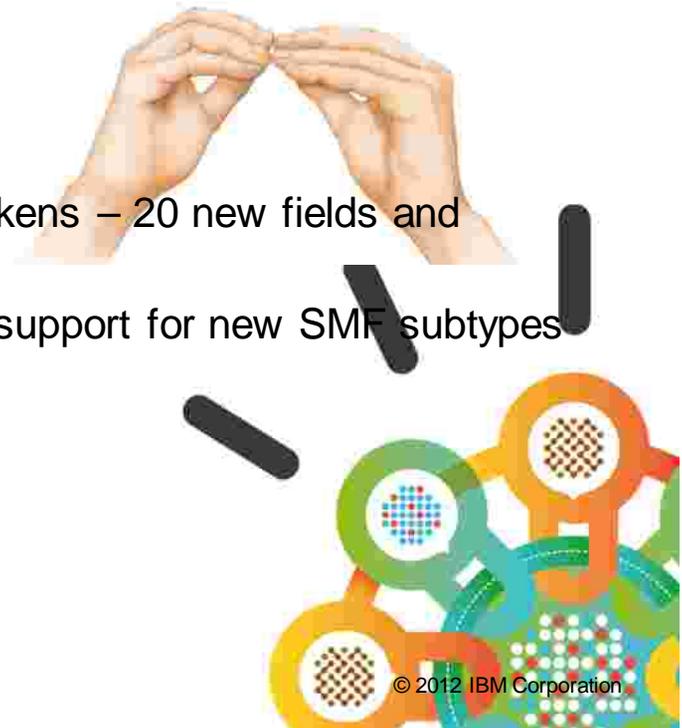
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Other zSecure 2.1 Enhancements

- New for zSecure UI
 - SMF reporting using IP address selection
- § USS extended support
 - SMF reporting about SuperUser activity
 - Support for Recreate of Universal Groups
 - Extra selection when you really need to select on the complete absolute pathname
 - Command Tailoring
- § zSecure Visual 2.1
 - Now provides support for site-specific REXX scripts
- § CARLa Enhancements
 - Enhanced reporting on digital certificates
 - New newlist showing information from ICSF TKDS tokens – 20 new fields and description
 - New reporting capabilities for FTP and TELNET and support for new SMF subtypes and fields
- § Restrict access to RACF database via zSecure server
- § Other Enhancements



Agenda

- § Release announcement
- § Beta background
- § Customers
- § Customer Experiences
- § Questions





Beta Participant Benefits

§ **The Beta participants experience the following benefits:**

- The opportunity to discuss problems and share ideas with product experts from IBM and with other customers, via web conferences and an online web-based Discussion Forum.
- The ability to install, configure and/or evaluate the new product code in their own test environment to validate new functionality and ensure the product works in their environment before the product goes GA.
- Dedicated support provided by Development for the duration of the beta program, via an online web-based Discussion Forum.
- An opportunity to influence the product function and future directions.
- For those new customers who do not currently have zSecure it is a great opportunity for them to try it out during the beta program.

What IBM Expects from Beta Participants

§ **What do we expect from the beta participants?**

- Download the beta code drops and install them
- Test out the functions that are important to you and post any problems and questions to an online web-based Discussion Forum
- Provide occasional status by submitting an online Feedback form when requested by us
- Consider being a reference at the end of the beta program if your company has a positive experience

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Customers

§ Customer in Beta for zSecure 2.1

- Government (multiple)
- Health Care (multiple)
- Automotive
- Finance (multiple)

§ Reasons

- Need to expand auditing capabilities
- Want to use digital certificates but find them difficult
- Needed to be able to audit DB2 more than just what was in RACF database (if it was even in the RACF database)
- Beta customer for z/OS 2.1
- Interested in enhancements to zSecure Admin Access Monitor
- STIG and GSD331, improve PCI DSS efforts

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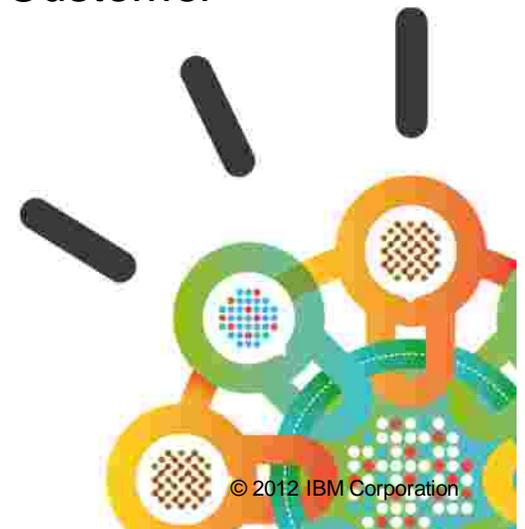


Customers Experiences

§ **Customer Experiences – Some of the key areas tested**

- Compliance
- Digital Certificates
- Access Monitor
- DB2
- TCP/IP reporting

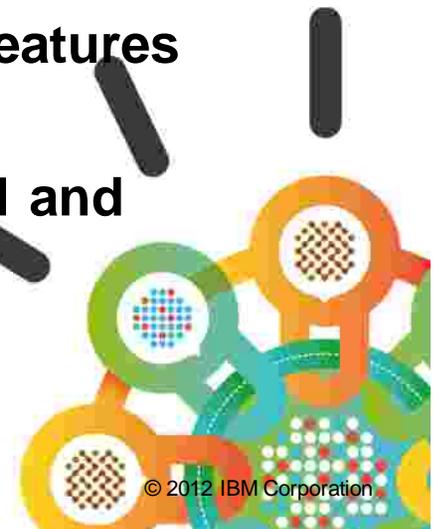
§ Customer present -- Mark Wilson – RSM Partners – Beta Customer



Customers Experiences

§ Customer Feedback

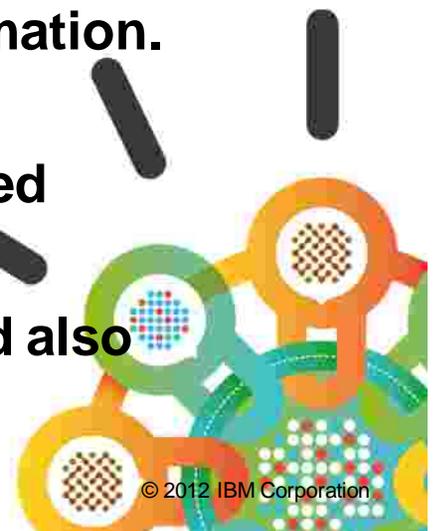
- Will do it again
- Digital certificates **WOW!!**, this helps so much. I always had to get tech support involved.
- Was able to provide feedback on how I wanted the product to display information
- Training sessions – great to get trained on the new features
- Good to know what was also coming out in RACF 2.1 and z/OS that zSecure would support
- Great interfacing with development



Customers Experiences

§ Customer Feedback

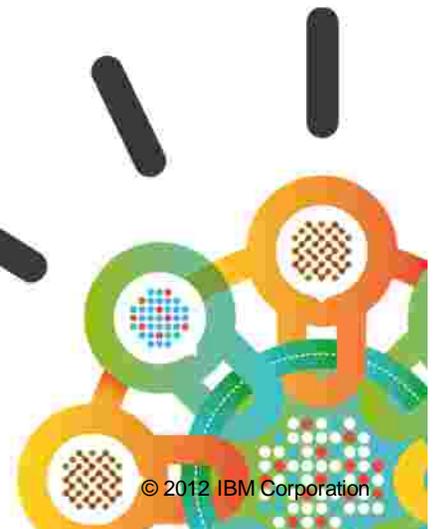
- **Wow, I was able to influence some areas of the product (e.g., display, help text, reporting)**
- **Easy to provide feedback**
- **Response time was quick (not what I expected at all)**
- **Web sessions were great – the interaction was great. Being able to ask questions right there and get more information.**
- **Was easy to get the product downloaded and installed**
- **Forum provided a lot of great information and I could also see what other people had to say about the product**



Customers Experiences

§ Customer Feedback

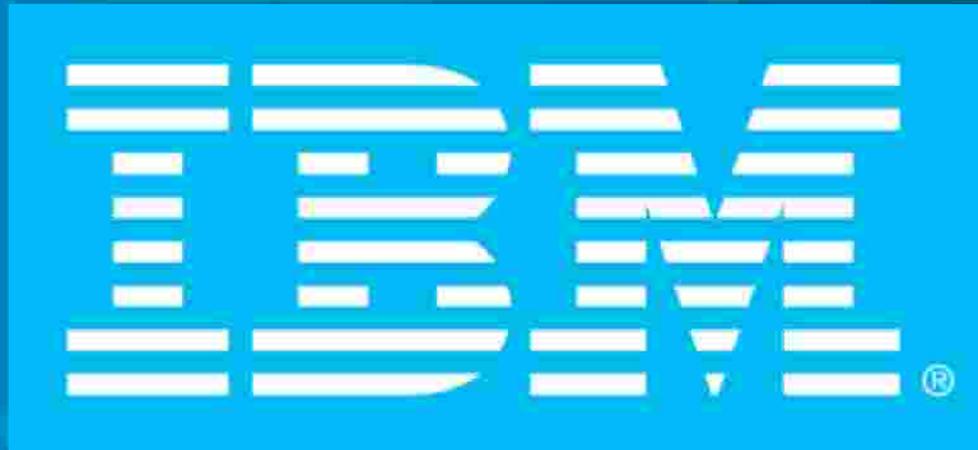
- I was getting so bogged down in compliance reporting this is a tremendous help. It will save a lot of time.**
- Access Monitor keeps getting better and better. It was good before, I am using it of other thing other that intended purposes. New features will help even more**
- I am trying to externalize DB2 security this release will continue to assist me with that migration**
- I don't have a strong network background, the new features continue to make it easier for me to learn and look for exposures.**





Questions

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